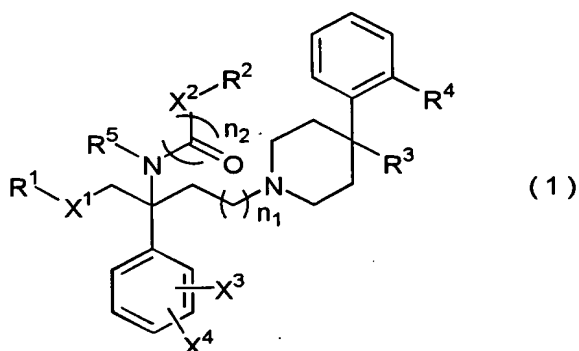


Claims

1. A benzylamine derivative represented by formula (1):

[F1]



[wherein X^1 represents $-N(CH_3)-$, $-NH-$, or $-O-$;

X^2 represents a single bond, $-NH-$, an amido bond, an ester bond, $-O-$, $-S-$, or $-CO-$;

each of X^3 and X^4 represents a hydrogen atom or a halogen atom;

R^1 represents a hydrogen atom; a lower alkyl group; a phenyl group which may be substituted by 1 to 3 halogen atoms or cyano groups; a benzyl group which may be substituted by 1 to 3 lower alkyl groups, cyano groups, halogeno(lower alkyl) groups, or lower alkoxy groups; a benzoyl group which may be substituted by 1 to 3 lower alkyl groups, hydroxyl groups, halogeno(lower alkyl) groups, or lower alkoxy groups; a lower alkanoyl group which may be substituted by 1 to 5 halogen atoms, amino groups, or carbamoyl groups; a hydroxyl group; a carbamoyl group; a lower alkylsulfonyl group; a lower alkoxy-carbonyl-lower alkyl group; a thienylcarbonyl group; a pyridylcarbonyl group; a lower alkylcarbonyl group; or a

phenoxy carbonyl group);

R^2 represents a hydrogen atom, a lower alkyl group, a lower alkenyl group, a lower alkylsulfonyl group, a C3-C7 cycloalkyl group, a C6-C14 cycloalkyl-alkyl group, a C6-C14 aryl group, a C6-C14 aryloxy group, a C6-C14 aryloxy-lower alkyl group, C6-C14 arylthio-lower alkyl group, a C7-C16 aralkyl group, a lower alkoxy carbonyl-lower alkyl group, a lower alkoxy-lower alkyl group, an amino-lower alkyl group, a C7-C16 aralkyl group substituted by a C3-C7 cycloalkyl group, a halogeno(lower alkyl) carbonyl group, an indanyl group, a 1,2,3,4-tetrahydronaphthalenyl group, a xanthenyl group, a piperidinyl group, a pyrrolidinyl group, a morpholino group, a tetrahydroisoquinolyl group, an indolyl group, a chromenyl group, an isobenzofuranyl group, a tetrahydropyranyl group, a benzothienyl group, an adamantyl group, an adamantyl(lower alkyl) group, a fluorenyl group, a fluorenyl(lower alkyl) group, a pyridyl(lower alkyl) group, or an amino group which may be substituted by a phenyl group or a lower alkyl group (wherein a ring hydrogen of these group may be substituted by 1 to 5 atoms or groups selected from among a halogen atom, a lower alkyl group, a lower alkoxy group, a nitro group, an oxo group, a halogeno(lower alkyl) group, a C6-C14 aryl group, and a lower alkylamino group;

when R^3 represents a (lower alkanoyl)amino group, an amino(lower alkanoyl) group, an amino(lower alkanoyl)amino group, a di(lower alkyl)carbamoylamino group, or a C7-C16 aralkyloxy(lower alkyl) group, R^4 represents a hydrogen atom;

or R³ and R⁴ may together form -SOCH₂-, -SO₂CH₂-, -NHCOCH₂-, -CH(OH)CH₂-, -OCH₂-, or -C(=NOH)CH₂-; R⁵ represents a hydrogen atom or a lower alkyl group; n₁ is 1 or 2; and n₂ is 0 or 1] or a salt thereof.

2. A benzylamine derivative as described in claim 1 or a salt thereof, wherein R³ and R⁴ together form -SOCH₂-, -SO₂CH₂-, -NHCOCH₂-, -CH(OH)CH₂-, -OCH₂-, or -C(=NOH)CH₂-.

3. A benzylamine derivative as described in claim 1 or 2 or a salt thereof, wherein X¹ is -N(CH₃)- or -O-.

4. A benzylamine derivative as described in any one of claims 1 to 3 or a salt thereof, wherein X² is a single bond, -NH-, an amido bond, an ester bond, -O-, or -CO-.

5. A benzylamine derivative as described in any one of claims 1 to 4 or a salt thereof, wherein R² is a C7-C16 aralkyl group, a lower alkyl group, a C6-C14 aryl group, a C3-C7 cycloalkyl group, or an amino group which may be substituted by a phenyl group or a lower alkyl group

6. A drug containing, as an active ingredient, a benzylamine derivative as recited in any one of claims 1 to 5 or a salt thereof.

7. A pharmaceutical composition containing a benzylamine derivative as recited in any one of claims 1 to 5 or a salt thereof, and a pharmaceutically acceptable carrier therefor.

8. Use, for producing a drug, of a benzylamine derivative as recited in any one of claims 1 to 5 or a salt thereof.

9. A method for treating irritable bowel syndrome, pain, anxiety, obstructive bronchial diseases, headache, or vomiting, characterized in that the method comprises administering, in an effective amount, a benzylamine derivative as recited in any one of claims 1 to 5 or a salt thereof.